

PTO-1449

Application No.

Applicant(s)

09/870,649

Catherwood

Docket Number

Group Art Unit

Filing Date

068354.1440

2124

June 1, 2001

**Information Disclosure Citation
in an Application**

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>cu</i> A.	3771146	11/6/73	Cotton et al.	740	260	1/22/73
<i>cu</i> B.	3781840	12/26/73	Downing	340	172.5	4/26/72
<i>cu</i> C.	3886524	5/27/75	Appelt	710	110	10/18/73
<i>cu</i> D.	4025771	5/24/77	Lynch et al.	708	521	3/25/74
<i>cu</i> E.	4074353	2/14/78	Woods et al.	710	264	3/24/78
<i>cu</i> F.	4090250	5/16/78	Carlson et al.	712	234	9/30/76
<i>cu</i> G.	4323981	4/6/82	Nakamura	364	749	10/23/78
<i>cu</i> H.	4379338	4/5/83	Nishitani et al.	708	552	11/21/80
<i>cu</i> I.	4208244	8/9/83	Chu et al.	384	200	5/7/80
<i>cu</i> J.	4408274	10/4/83	Wheatley et al	364	200	9/29/80
<i>cu</i> K.	4451885	5/29/84	Gerson et al.	708	200	3/1/82
<i>cu</i> L.	4473788	9/18/84	Yamazaki	364	000	8/27/81
<i>cu</i> M.	4481576	11/6/84	Bicknell	904	200	3/19/82
<i>cu</i> N.	4488252	12/11/84	Vassar	364	748	2/22/82
<i>cu</i> O.	4511990	4/16/85	Hogiwara et al.	364	748	10/15/81

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
<i>cu</i> P.	01037424 A	2/4/88	JP (abstract) (No copy)	H03M	001/82	X
<i>cu</i> Q.	0 554 917 A2	8/11/93	EP	G06F	9/20	X
<i>cu</i> R.	96/11443	4/18/96	WO	G06F	15/78	X
<i>cu</i> S.	0 855 643 A1	07/29/98	EP	G06F	9/30	X
<i>cu</i> T.	0 992 888	12/04/00	EP	G06F	9/32	X
<i>cu</i> U.	0 992 889	12/14/00	EP	G06F	9/32	X

NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

<i>cu</i> V.	Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508	5/2001
<i>cu</i> W.	Turley J: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. Littleton, Massachusetts, IS, vol. 37, no. 10, pages 46, 48, 50-53, XP000860706 ISSN:0010-4566	10/1998
<i>cu</i> X.	Levy M: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News, Cahners Publishing Co., Newtown Massachusetts, US, no. Europe, pages 73-74, 76, 78-80, XP000779113 ISSN: 0012-7515	3/2/1998

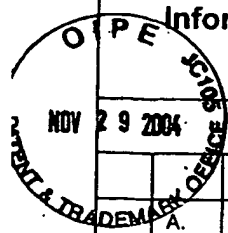
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	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	4556938	12/3/85	Parker et al.	364	200	2/22/82
B.	4626988	12/2/86	George	364	200	3/7/83
C.	4799246	3/8/88	Watanabe et al.	364	200	8/30/84
D.	4742479	5/3/88	Kloker et al.	364	746	3/25/85
E.	4768149	8/30/88	Konopik et al.	364	200	8/29/85
F.	4779191	10/18/88	Greenblatt	711	2	4/12/85
G.	4782457	11/1/88	Cline	364	715.04	8/18/86
H.	4800524	1/24/89	Roesgen	364	900	12/2/87
I.	4807172	2/24/89	Nukiyama	364	715.08	2/17/87
J.	4829426	5/9/89	Stahle	364	200	8/29/87
K.	4829400	5/9/89	Ito	364	715.08	10/14/87
L.	4839846	6/13/89	Hirose et al.	364	748	3/12/86
M.	4841468	6/20/89	Miller et al.	708	625	3/20/87
N.	4872128	10/3/89	Shimizu	364	715.08	2/17/88
O.	4882704	11/21/89	Ishii	364	998	9/23/88
P.	4926371	5/15/90	Vassiliadis et al.	708	628	12/28/88
Q.	4941120	7/10/90	Brown et al.	364	748	4/17/89

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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
R.						
S.						

NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

T.	Intel, Pentium Processor Family Developer's Manual, Volume 3: Architecture and Programming Manual, , Pages 3-1, 3-2, 3-15, 14-1 to 14-30, 18-7, and 25-289 to 25-292	1995
U.	Intel, Embedded Intel486 Processor Family Developer's Manual, pgs. 2-2, 3-17, 3-37, 4-5, 4-6, 10-1 to 10-12, 12-1 to 12-10	10/1997
V.	Moore, M "Z80 Family Interrupt Structure". Barleywood (online), retrieved from the Internet <URL: http://www.gaby.de/z80/1653.htm>	1997
W.	PCT Search Report based on PCT/US02/16706, 6 pages	Mailed 9/27/02
X.	PCT Search Report based on PCT/US02/16705, 7 pages	Mailed 9/9/02
Y.	PCT Search Report based on PCT/US02/16921, 4 pages	Mailed 10/18/02

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	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4943940	7/24/90	New	364	748	8/27/84
B.	4050776	8/25/90	Deerfield et al.	364	200	12/5/88
C.	4077533	12/11/90	Miyabayashi et al.	364	720	10/10/89
D.	4984243	1/8/91	Abdoo et al.	364	230.03	2/24/89
E.	5007020	4/9/91	Inskip	364	900	5/7/80
F.	5042441	4/30/91	Reiter	364	900	11/24/86
G.	5092980	7/16/91	Patrak et al.	364	200	9/22/89
H.	5034887	7/23/91	Yasul et al.	364	200	7/27/90
I.	5038310	8/6/91	Akagiri et al.	364	715.04	4/19/90
<i>Cu</i> J.	5040178	8/13/91	Lindsay et al.	371	21.5	5/12/89
K.	5056004	10/8/91	Ohde et al.	264	200	10/14/88
L.	5099445	3/24/92	Etudor et al.	364	715.00	12/20/89
M.	5104484	3/31/92	Kohr	395	375	2/14/89
N.	5117498	5/20/92	Miller et al.	395	775	9/19/90
O.	5121431	6/9/92	Wiener	713	174	7/2/90
P.	5122001	6/10/92	Teniguchi	304	748	3/23/89
Q.	5155823	10/13/92	Tsue	395	400	4/17/89
R.	5177373	1/5/93	Nakamura	307	265	9/27/91
S.	5197023	3/23/93	Nakayama	364	748	10/31/91
T.	5107140	3/23/93	Balmer	395	400	11/17/89
U.	5206940	4/27/93	Murakami et al.	395	400	8/27/91
V.	5212662	5/18/93	Cocconougher et al.	364	748	9/14/90
<i>Cu</i> W.	5239654	8/24/93	Ing-Simmons et al.	395	800	11/17/89
X.	5276634	1/4/94	Suzuki et al.	364	748	8/20/91

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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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PTO-1449 Information Disclosure Citation in an Application NOV 29 2004 U.S. PATENT & TRADEMARK OFFICE	Application No.	Applicant(s)	
	09/870,649	Catherwood	
	Docket Number	Group Art Unit	Filing Date
	068354.1440	2124	June 1, 2001

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	5282133	1/25/94	Bartkowiak et al.	364	716	4/6/93
B.	5327543	7/5/04	Miura et al.	395	375	4/23/90
C.	5327566	7/5/94	Porsyth	395	775	7/12/91
<i>Cu</i> D.	5375080	12/20/94	Davies	364	736.5	12/18/92
E.	5379240	1/3/93	Byme	394	715.08	3/8/93
<i>Cu</i> F.	5392435	2/21/95	Masul et al.	395	725	9/29/93
<i>Cu</i> G.	5418976	5/23/95	Iida	395	800	12/21/92
H.	5428005	8/6/95	McIntyre et al.	708	825	10/21/92
<i>Cu</i> I.	5432943	7/11/95	Mitsulshi	395	725	4/19/93
J.	5448703	0/5/93	Amini et al.	395	290	5/28/93
K.	5448706	9/5/95	Fleming et al.	395	421.07	5/13/92
L.	5463740	10/31/95	Wertheizer et al.	395	437	1/13/93
M.	5469377	11/21/95	Amano	364	748	8/18/93
N.	5471000	11/28/95	Nakamoto	395	405	2/22/93
O.	5497340	3/3/96	Uramoto et al.	364	745	6/14/93
P.	5499380	3/12/96	Iwata et al.	395	800	3/18/94
<i>Cu</i> Q.	5504916	4/2/96	Murakami et al.	395	800	9/28/93
<i>Cu</i> R.	5517436	5/14/96	Andreas et al.	364	736	6/7/94
<i>Cu</i> S.	5525874	6/11/96	Mallarapu et al.	318	254	1/30/95
T.	5548544	8/20/96	Matheny et al.	364	745	10/14/94
<i>Cu</i> U.	5561619	10/1/96	Watanabe et al.	364	736.5	9/20/94
<i>Cu</i> V.	5564028	10/8/96	Swoboda et al.	395	375	1/11/94
<i>Cu</i> W.	5568380	10/22/96	Broadnax et al.	364	184	8/30/93

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X.							

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NOV 29 2004
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U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	5668442	10/22/98	Han et al.	384	748	11/29/94
B.	5598760	1/21/97	Ueda	395	588	12/9/92
C.	5600815	2/4/97	Nakagawa et al.	395	421.07	2/9/93
D.	5811061	3/11/97	Yasuda	395	581	11/24/93
E.	5610711	4/8/97	Anderson	395	800	6/29/94
F.	5638524	6/10/97	Kiuchi et al.	395	975	5/17/95
G.	5042916	6/24/97	Hedayat et al.	395	733	10/14/94
H.	5649146	7/15/97	Riou	395	421.07	3/30/95
I.	5651121	7/22/97	Davies	395	378	12/18/92
J.	5657484	8/12/97	Scarrá	395	564	12/27/94
K.	5659700	8/19/97	Chen et al.	395	421.07	2/14/95
L.	5682339	10/28/97	Tam	364	745.08	5/26/95
M.	5689693	11/18/97	White	395	585	4/26/94
N.	5694350	12/2/97	Wolrich et al.	364	788	6/30/95
O.	5696741	12/9/97	Makineni	364	748.03	12/22/95
P.	5708460	1/6/98	Craig et al.	395	380	3/19/91
Q.	5706466	1/6/98	Dockser	395	462	1/13/95
R.	5715470	2/3/98	Asano et al.	395	800	9/27/93
S.	5737570	4/7/98	Koch	395	872	4/28/97
T.	5740095	4/14/98	Parant	364	780	7/12/95
U.	5740419	4/14/98	Petter	395	588	1/22/98
V.	5740451	4/14/98	Muraki et al.	395	733	10/28/96
W.	5748516	5/5/98	Goddard et al.	364	748.03	9/26/95

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X.						YES	NO
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	5748970	5/5/98	Miyaji et al.	395	733	4/30/96
B.	5764655	6/9/98	McPherson et al.	364	748.03	3/13/96
C.	5765216	6/9/98	Weng et al.	741	214	6/17/96
D.	5765218	6/9/98	Ozawa et al.	741	219	3/10/95
E.	5774711	6/30/98	Henry et al.	395	591	7/26/96
F.	5778446	7/7/98	Hamison et al.	711	5	4/3/97
G.	5790443	8/4/98	Shen et al.	364	740	3/19/96
H.	5800920	9/15/98	Gorshtein et al.	364	748.11	9/24/96
I.	5842430	9/22/98	Hansen	364	748.03	10/10/95
J.	5812868	9/22/98	Moyer et al.	395	800.29	9/16/96
K.	5829730	10/20/98	Nishida et al.	399	44.32	3/8/96
L.	5826072	10/20/98	Knapp et al.	395	567	11/13/95
M.	5826096	10/20/98	Baxter	395	800.24	5/19/95
N.	5828875	10/27/98	Halverson et al.	395	588	3/29/97
O.	5862065	1/19/99	Muthusamy	364	790.5	2/13/97
P.	5867726	2/2/99	Ohsuga et al.	395	800.32	4/10/96
Q.	5875342	2/23/99	Temple	395	733	6/3/97
R.	5880984	3/9/99	Burchiel et al.	364	748.07	1/13/97
S.	5892097	4/6/99	Brakefield	364	748.02	12/19/95
T.	5892690	4/6/99	Duncan et al.	364	760.4	9/16/97
U.	5894428	4/13/99	Harada	364	724.03	7/26/97
V.	5900683	5/4/99	Rinehart et al.	397	126	12/23/97
W.	5909385	6/1/99	Nishiyama et al.	364	760.03	4/4/97

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A.	5917741	6/29/99	Ng	364	748.03	6/29/96
B.	5918252	6/29/99	Chen et al.	741	247	11/25/96
C.	5930159	7/27/99	Wong	364	745.01	10/17/96
D.	5938903	7/27/99	Drees	305	651	12/29/95
E.	5936870	8/10/99	Im, Jin Hyeock	364	745.03	8/15/97
F.	5937199	8/10/99	Temple	305	335	6/3/97
G.	5938759	8/17/99	Kamijo	712	200	12/10/97
H.	5941940	8/24/99	Prasad et al.	708	523	6/30/97
I.	5943249	8/24/99	Handogten	364	748.02	4/23/97
J.	5944816	8/31/99	Dutton et al.	712	245	5/17/96
K.	5951627	9/14/99	Klamilev et al.	708	404	11/14/96
L.	5951879	9/14/99	Anderson, et al.	712	241	10/31/97
M.	5978825	11/2/99	Divine et al.	708	525	11/14/97
N.	5983333	11/9/99	Kolagotia et al.	711	240	8/27/97
O.	5991787	11/23/99	Aber et al.	708	400	12/31/97
P.	5991868	11/23/99	Kamiyama et al.	712	33	5/19/94
Q.	5996867	11/30/99	White	712	224	10/28/97
R.	6009434	12/28/99	Dummenuth	700	108	11/10/97
S.	6014723	1/11/00	Tremblay et al.	711	1	1/23/97
T.	6018757	1/25/00	Wong	708	525	8/8/96
U.	6020489	2/16/00	Wacht et al.	712	241	4/26/95
V.	6044392	3/28/00	Anderson et al.	708	551	8/1/97
W.	6044434	3/28/00	Oliver	711	110	9/24/97

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	6049858	4/11/00	Kolagotia et al.	711	217	8/27/97
B.	6058400	5/2/00	Kozaki et al.	700	409	8/5/97
C.	6058410	5/2/00	Sharangpani	700	551	12/2/98
D.	6058464	5/2/00	Taylor	711	217	7/9/96
E.	6061711	5/9/00	Song et al.	709	108	8/19/96
F.	6061780	5/9/00	Chippy et al.	712	304	1/23/98
G.	6061783	5/9/00	Harriman	712	224	11/13/96
H.	6076154	6/13/00	Van Eijndhoven et al.	712	24	1/16/98
I.	6084880	7/4/00	Balley et al.	370	305	6/30/97
J.	6101521	8/8/00	Koslec	708	550	3/23/98
K.	6101599	8/8/00	Wright et al.	712	280	6/29/98
L.	6115732	9/5/00	Oberman et al.	708	625	5/8/98
M.	6128728	10/3/00	Dowling	712	226	12/12/97
N.	6134574	10/17/00	Oberman et al.	708	551	5/8/98
O.	6144980	11/7/00	Oberman	708	627	1/28/98
P.	6145049	11/7/00	Wong	710	267	12/29/97
Q.	6181151	1/30/01	Wasson	324	765	10/28/98
R.	6205467	3/20/01	Lambrech et al.	709	108	11/14/95
S.	6209086	3/27/01	Chi et al.	712	244	11/10/98
T.	6243786	6/5/01	Huang et al.	710	252	12/23/98
U.	6243804	6/5/01	Cheng	712	228	7/22/98
V.	6260162	7/10/01	Typaldos et al.	714	45	10/31/98
W.	6292866	9/18/01	Zalki et al.	710	254	3/30/99

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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
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NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

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EXAMINER

DATE CONSIDERED

N60

4/24/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

PTO-1449

Application No.

Applicant(s)

**Information Disclosure Citation
in an Application**

09/870,649

Catherwood

Docket Number

Group Art Unit

Filing Date

068354.1440

2124

June 1, 2001

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	6295574	9/25/01	MacDonald	710	261	1/20/00
B.	6315200	11/13/01	Silverbrook et al.	235	454	7/10/98
C.	6356970	3/12/02	Killian et al.	710	269	5/28/99
D.	6377619	4/23/02	Denk et al.	375	232	8/26/87
E.	6397318	5/28/02	Peh	711	220	4/2/98
F.	6412081	6/25/02	Koscal et al.	713	34	1/15/99
G.	6487654	11/26/02	Dowling	712	244	12/12/01
H.	2002/0194466	12/19/02	Catherwood et al.	712	241	6/1/01
I.	6523108	2/18/03	James et al.	712	224	11/23/99
J.	6564238	5/13/03	Kim et al.	708	513	2/2/00
K.	2003/0093656	5/15/03	Masse et al.	712	241	10/1/99
L.	6633970	10/14/03	Clift et al.	712	217	12/28/99
M.	6658578	12/2/03	Laurenti et al.	713	324	10/1/99
N.	6681280	1/20/04	Miyake et al.	710	261	10/4/00
O.	6763478	7/13/04	Vinh X. Bui	713	600	10/24/00
P.	6751742	6/15/04	Duhault et al.	713	323	8/31/99
Q.	6202163	3/13/01	Gabzdyl et al.	713	324	3/10/98
R.	5815693	9/29/98	McDermott et al.	713	501	12/15/95
S.	5778237	7/7/98	Yamamoto et al.	713	322	12/14/95
T.	4615005	9/30/86	Maejima et al.	713	601	7/20/84
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FOREIGN PATENT DOCUMENTS

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4/04/05

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PTO-1449

Information Disclosure Citation
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Application No.

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June 1, 2004

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	6728856	4/27/04	Grosbach et al.	711	202	6/1/01
B.	6282637	8/28/01	Chan et al.	712	223	12/2/98
C.	6055619	4/25/00	North et al.	713	36	2/7/97
D.	5974549	10/26/99	Golan	713	200	3/27/97
E.						
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(No statement as specified in 37 CFR 1.97(e))

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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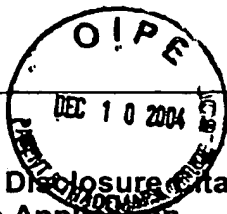
NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

V.	SPARC, International, Inc., "The SPARC Architecture Manual", Version 8, pp 1-303	1992
W.		
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EXAMINER

DATE CONSIDERED

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PTO-1449

Information Disclosure Statement
in an Application

Application No.

09/870,649

Docket Number

068354.1440

Applicant(s)

Catherwood

Group Art Unit

2124

Filing Date

June 1, 2004

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	3930253	12/30/75	Maida	340	347	1/24/74
B.						
C.						
D.						
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F.	(No statement as specified in 37 CFR 1.97(e))					
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

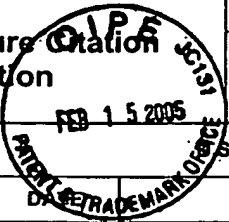
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EXAMINER

DATE CONSIDERED

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PTO-1449 Information Disclosure in an Application		Application No. 09/870,649 Docket Number 068354.1440		Applicant(s) Catherwood Group Art Unit 2124 Filing Date June 1, 2001	
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U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)			
V.	SPARC, International, Inc., "The SPARC Architecture Manual", Version 9, pp. 137-299		1994-2000
W.	Free On-Line Dictionary of Computing (FOLDOC). http://vombat.doc.ic.ac.uk/foldoc/foldoc.cgi?query=program+counter		1995
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EXAMINER	DATE CONSIDERED
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PTO-1449 Information Disclosure Citation in an Application	Application No.	Applicant(s)	
	09/870,649	Catherwood	
	Docket Number	Group Art Unit	Filing Date
	068354.1440	2124	June 1, 2004

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	4945507	7/31/90	Ishida et al.	708	530	6/12/89
B.	5701493	12/23/97	Jaggar	395	734	8/3/95
C.	5386563	1/31/95	Thomas, deceased	395	650	10/13/92
D.	6694398	2/17/04	Zhao et al.	710	260	4/30/01
E.	5623646	4/22/97	Clarke	395	560	9/12/95
F.	4709324	11/24/87	Kloker	364	200	11/27/85
G.	5561384	10/1/96	Reents et al.	327	108	11/8/95
H.	5450027	9/12/95	Gabara	326	98	4/8/94
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FOREIGN PATENT DOCUMENTS

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EXAMINER <i>4/06 N60</i>	DATE CONSIDERED <i>4/04/05</i>
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